On

Approved for use through 12/31/2008 OMB 0851-0035 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Application Number	08/420,503
POWER OF ATTORNEY	Filing Date	April 12, 1995
	First Named Inventor	Michael D. Quinn et al.
and	Title	THERMODILUTION CATHETER
CORRESPONDENCE ADDRESS		HAVING A SAFE, FLEXIBLE
INDICATION FORM	Art Unit	3311
	Examiner Name	Nasser
	Attorney Docket Number	ECC-4324CONDIV

I herel	by revoke all previou	is powers of attorney given in the a	bove-ident	tified applica	ation.	HEADING SO	
I herel	I hereby appoint:						
	Practitioners ass	Practitioners associated with the Customer Number:					
	OR		L				
\boxtimes	Practitioner(s) na	Practitioner(s) named below:					
Γ	Walter Committee	Name		Regis	tration Nur	nber	
- 1		Rajiv Yadav			43,999		
	I	David L. Hauser			42,643		
	R	ichard A. Neifeld			35,299		
as my.	our attorney(s) or a States Patent and	gent(s) to prosecute the application Trademark Office connected therew	identified vith.	above, and	to transact	all b	usiness in the
Please recognize or change the correspondence address for the above-identified application to: The address associated with the above-mentioned Customer Number: OR The address associated with Customer Number:							
OR M	Firm or	Raijy Yaday					
	Address Edwards Lifesciences LLC						
City		Irvine	State	CA		Zip	92614
Countr	v	USA	15	TOIL			122011
Teleph		949 250-6801	Email	1	****	-	
I am the: Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).							
	A	↑ SIGNATURE of Applica		gnee of Re	cord	/	
Signature Signature Record Signature							
Name	ognature /////////						
Title and Company							
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple							
⊠ *	Total of 3	forms are submitted.					

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 03/31/2007. OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

STATEMENT UNDER 3	7 CFR 3.73(b)
-------------------	---------------

Applicant/Patent Owner: EDWARDS LIFESCIENCES LLC						
Application No./Patent No.: 08/420,503 Filed/Issue Date: April 12, 1995						
Entitled: THERMODILUTION CATHETER HAVING A SAFE, FLEXIBLE HEATING ELEMENT						
EDWARDS LIFESCIENCES LLC , a Corporation						
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)						
states that it is:						
1.						
2. an assignee of less than the entire right, title and interest The extent (by percentage) of its ownership interest is %						
in the patent application/patent identified above by virtue of either:						
. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at 010901 , Frame 0274 , or a true copy of the original is attached.						
OR						
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:						
From: To: The document was recorded in the United States Patent and Trademark Office at						
Reel, Frame, or for which a copy thereof is attached.						
2. From: To:						
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.						
-						
3. From: To: To: The document was recorded in the United States Patent and Trademark Office at						
Reel, Frame, or for which a copy thereof is attached.						
Additional documents in the chain of title are listed on a supplemental sheet.						
As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]						
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. Why (7, zer)						
Signature						
Jay P. Wertheim 949 250-6815						
Printed or Typed Name Telephone number						
VP, Associate General Counsel & Corporate Secretary						
Title Treatment of information is required by 37 CER 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to pro-						

This collection of information is required by 37 CFR 3.73(b). The information is required in obtain or refain a bowefit by the guidar which is to file, fund by the USPTO is process?

an application. Confidentially is governed by 39 U.S.C. To the USPTO. The will vary depending upon the individual case. Any comments on the amount of time by the complete in technique depending upon the individual case. Any comments on the amount of time by our required to complete the individual case. Any comments on the amount of time by our required to complete the individual case. Any comments on the amount of time by our required to complete this complete the complete



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS

AUGUST 30, 2000

REFERENCED BELOW.

EDWARDS LIFESCIENCES LLC DEBRA D. CONDINO ONE EDWARDS WAY IRVINE, CALIFORNIA 92614

PTAS



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF ACES THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS

Washington, D.C. 20231

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,

RECORDATION DATE: 06/09/2000

SUITE 320, WASHINGTON, D.C. 20231.

REEL/FRAME: 010901/0274 NUMBER OF PAGES: 33

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAXTER INTERNATIONAL INC.

DOC DATE: 06/09/2000

ASSIGNEE:

EDWARDS LIFESCIENCES CORPORATION ONE EDWARDS WAY

IRVINE, CALIFORNIA 92614

SERIAL NUMBER: 06712528 BE-3500

FILING DATE: 03/18/1985 ISSUE DATE:

SERIAL NUMBER: 08584718 BE-4540 CON

FILING DATE: 01/11/1996 ISSUE DATE:

PATENT NUMBER: PATENT NUMBER:

FILING DATE: 12/23/1999

SERIAL NUMBER: 09472093 BE 5167 DIV PATENT NUMBER:

ISSUE DATE:

FILING DATE: 04/13/1998

SERIAL NUMBER: 09059125 BE- 518 PATENT NUMBER:

ISSUE DATE:

```
010901/0274 PAGE 2
```

```
BE-5223
 SERIAL NUMBER: 09075409
                                         FILING DATE: 05/08/1998/
 PATENT NUMBER:
                                          ISSUE DATE:
 SERIAL NUMBER: 09362468
                          BE-5462
                                          FILING DATE: 07/28/1999
 PATENT NUMBER .
                                          ISSUE DATE:
 SERIAL NUMBER: 09390381
                                         FILING DATE: 09/03/1999
 PATENT NUMBER:
                                         ISSUE DATE:
 SERIAL NUMBER: 09429773 BE - 5507
                                         FILING DATE: 10/28/1999
 PATENT NUMBER -
                                         ISSUE DATE:
 SERIAL NUMBER: 08559262 CVG-4938
                                         FILING DATE: 11/15/1995
 PATENT NUMBER :
                                         ISSUE DATE:
 SERIAL NUMBER: 09108553 CVG - 5369
                                         FILING DATE: 07/01/1998
 PATENT NUMBER:
                                         ISSUE DATE:
                          CNG-5506
 SERIAL NUMBER: 09413948
                                         FILING DATE: 10/06/19991
PATENT NUMBER
                                         ISSUE DATE:
SERIAL NUMBER: 07095416
                        ECL 3246RE
                                         FILING DATE: 09/10/1987
PATENT NUMBER: RE33518
                                         ISSUE DATE: 01/15/1991 (
SERIAL NUMBER: 06489927
                                         FILING DATE: 04/29/1983
PATENT NUMBER: D282284 CCC 3247
                                         ISSUE DATE: 01/21/1986
SERIAL NUMBER: 06659134
                                         FILING DATE: 11/26/1982
PATENT NUMBER: D288364. ECL 3452
                                         ISSUE DATE: 02/17/1987 L
SERIAL NUMBER: 08475606 ECC 3572 CON
                                        FILING DATE: 06/07/1995
PATENT NUMBER .
                                         ISSUE DATE:
SERIAL NUMBER: 08440510 ECC 3698 CDC
                                        FILING DATE: 05/12/1995
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 08130634
                                         FILING DATE: 10/01/1993
                         FCC 3913 CCP
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 08966435 ECC 3913 CIPOV
                                         FILING DATE: 11/07/1997
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 08645391ECC 4324 CDV & FILING DATE: 05/13/1996
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 08420503 FIL 4324 CDV LFILING DATE: 04/12/1995
PATENT NIMBER.
                                        ISSUE DATE:
               08603550 ECC 4324 (
SERIAL NUMBER:
                                       FILING DATE: 02/21/1996 VISSUE DATE:
PATENT NIMBER -
SERIAL NUMBER: 08049231 ECC 4324 CON
                                      FILING DATE: 04/19/1993
                                        ISSUE DATE:
```

```
SERIAL NUMBER: 09274802 FCC 4642-DIV
                                      FILING DATE:
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 08440624 FCC 4883 CIP
                                         FILING DATE: 05/15/1995.
PATENT NUMBER:
                                         ISSUE DATE:
SERIAL NUMBER: 09329002 FCC 5062CIP2
                                         FILING DATE: 06/08/1999
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 08725117 F.CC 5063
                                        FILING DATE: 10/02/1996.
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09429221 FCC 5151
                                        FILING DATE: 10/28/1999.
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09359927 FCC 5159 CON FILING DATE: 07/22/1999
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09135873 ECC 5378
                                        FILING DATE: 08/17/1998
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09177416 FCC 5396
                                        FILING DATE: 10/22/1998.
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09450032 FCC 5527
                                        FILING DATE: 11/24/1999
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09456049 ECC 5528
                                        FILING DATE: 12/07/1999 >
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09484555
                                        FILING DATE: 01/18/2000
                        ECC 5543
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09085944 FCC 3860 CDC 4 FILING DATE:
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09293215 ECV 4468
                                        FILING DATE: 04/16/1999
PATENT NUMBER -
                                        ISSUE DATE:
SERIAL NUMBER: 08812506 EN 4652 CON
                                        FILING DATE: 03/07/1997
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 08764821 0 4652 DIV
                                        FILING DATE: 12/12/1996 4
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09283596 CLV 4652 CIPDIV
                                        FILING DATE: 04/10/1999
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09124657 ECV 4676 CIP CIP
                                        FILING DATE: 07/29/1998
PATENT NUMBER:
                                        ISSUE DATE:
SERIAL NUMBER: 09461304 ECV 4935 CON
                                        FILING DATE: 12/14/1999
PATENT NUMBER -
                                        ISSUE DATE:
```

SERIAI PATENT	NUMBER:	09144010 ECV 4955 CON	FILING DATE: 08/31/1998/ ISSUE DATE:
	NUMBER: NUMBER:		FILING DATE: 05/21/1998
	NUMBER: NUMBER:	09264801 6102944 ECV 5060DIV	FILING DATE: 03/09/1999 ISSUE DATE: 08/15/2000 V
PATENT	NUMBER: NUMBER:	09207783 ECV SIIS DIV	FILING DATE: 12/09/1998 / ISSUE DATE:
PATENT	NUMBER: NUMBER:	ECA 214 2	FILING DATE: 01/30/1998√ ISSUE DATE:
PATENT	NUMBER:	09016147 ECV 5221	FILING DATE: 01/30/1998 / ISSUE DATE:
PATENT	NUMBER:	09468715 ECV 5283C IPDI	FILING DATE: 12/21/1999 ISSUE DATE:
PATENT	NUMBER:	09157546 ECV 5327	FILING DATE: 09/21/1998/ ISSUE DATE:
PATENT	NUMBER: NUMBER:		FILING DATE: 09/14/1999 / ISSUE DATE:
PATENT	NUMBER: NUMBER:	09491987ECV 5412	FILING DATE: 01/26/2000 / ISSUE DATE:
	NUMBER: NUMBER:	220 3.	FILING DATE: 06/14/1999 ISSUE DATE:
	NUMBER: NUMBER:	2013111	FILING DATE: 01/26/2000 / ISSUE DATE:
PATENT	NUMBER: NUMBER:	CCV 3 (a.	FILING DATE: 04/16/1999/ ISSUE DATE:
PATENT	NUMBER:	09387468 ECV 5476	FILING DATE: 09/01/1999/ ISSUE DATE:
SERIAL PATENT	NUMBER: NUMBER:	60178084 ECV 5587	FILING DATE: 01/25/2000 / ISSUE DATE:
PATENT	NUMBER:	08192894 6102845 NC 4582	FILING DATE: 02/07/1994 ISSUE DATE: 08/15/2000
PATENT	NUMBER:	09157846 NC 4582 DIV2	FILING DATE: 09/21/1998 /
	NUMBER: NUMBER:	⁰⁹²⁸⁵⁹³³ NC 5409	FILING DATE: 04/02/1999 ISSUE DATE:

	NUMBER: NUMBER:	09273030 6083238	RM15188CIP	FILING DATE: 03/19/1999 ISSUE DATE: 07/04/2000
SERIAL PATENT		08720427	RMI 5203	FILING DATE: 09/30/1996 / ISSUE DATE:
SERIAL PATENT	NUMBER: NUMBER:	09386666	RMI 5475	FILING DATE: 08/31/1999/ ISSUE DATE:
SERIAL PATENT		09438172	Rm1 5497	FILING DATE: 11/11/1999/ ISSUE DATE:
SERIAL I		08612742 V	AS 4736	FILING DATE: 03/08/1996 ISSUE DATE: 08/08/2000
SERIAL I		09201953	AS 4761 CON	FILING DATE: 12/01/1998/ ISSUE DATE:
SERIAL I		09306863 V	1AS 4778 CON 2	FILING DATE: 05/07/1999 / ISSUE DATE:
SERIAL N		09203998 V	AS 5032 CON	FILING DATE: 12/01/1998 ISSUE DATE: 08/29/2000
SERIAL 1 PATENT 1				FILING DATE: 07/30/1999 // ISSUE DATE:
SERIAL N PATENT N		09358350	1145 5041 DIV	FILING DATE: 07/21/1999 / ISSUE DATE:
SERIAL N PATENT N		09163831 6071307	VAS 5388	FILING DATE: 09/30/1998 ISSUE DATE: 06/06/2000
SERIAL N		,	185 5416	FILING DATE: 02/09/1999 // ISSUE DATE:
SERIAL N		09303038	VAS 5430	FILING DATE: 04/30/1999/ ISSUE DATE:
SERIAL N		09038500 6024729 \	1AS 5431	FILING DATE: 03/10/1998 ISSUE DATE: 02/15/2000
SERIAL N		09419315 \	/AS 5498	FILING DATE: 10/15/1999 VISSUE DATE:
SERIAL N		08240286 5500014 A	VD 3843 CCP	FILING DATE: 05/09/1994 / ISSUE DATE: 03/19/1996
SERIAL N		07691258 AV 5272909 AV	104127	FILING DATE: 04/25/1991 / ISSUE DATE: 12/28/1993
SERIAL N	UMBER: UMBER:	08133701 5327774 AV	VIGTSIPO	FILING DATE: 10/08/1993 ISSUE DATE: 07/12/1994

```
SERIAL NUMBER: 08901987
PATENT NUMBER: 5997573 AVD 4289 CIPDIV
                                            FILING DATE: 07/29/1997
                                            ISSUE DATE: 12/07/1999
 SERIAL NUMBER: 08264225
                                            FILING DATE: 06/22/1994
 PATENT NUMBER: 5609626 AVD 4289 CON
                                            ISSUE DATE: 03/11/1997 (/
SERIAL NUMBER: 08467496
PATENT NUMBER: 5824061 AVD 4289 DIV
                                            FILING DATE: 06/06/1995
                                            ISSUE DATE: 10/20/1998 V
SERIAL NUMBER: 07387728 BE-1605CIP
                                            FILING DATE: 07/31/1989
                                            ISSUE DATE: 09/10/1991
SERIAL NUMBER: 07097295 Be-1605 Con
                                            FILING DATE: 09/14/1987
PATENT NUMBER: 4871357
                                            ISSUE DATE: 10/03/1989 V
SERIAL NUMBER: 07216070 BR-1421CIP
                                            FILING DATE: 07/07/1988
                                           ISSUE DATE: 10/17/1989 /
SERIAL NUMBER: 06885207 Be-1626
                                           FILING DATE: 07/14/1986
                                           ISSUE DATE: 10/06/1987 W
SERIAL NUMBER: 07073261 Be-1626 DIV
                                           FILING DATE: 07/14/1987
                                           ISSUE DATE: 10/24/1989
SERIAL NUMBER: 07338347 BL-1652 CON
PATENT NUMBER: 5039486 BL-1652 CON
                                           FILING DATE: 04/12/1989
                                           ISSUE DATE: 08/13/1991 //
SERIAL NUMBER: 076644449 BE-1652CPCN PATENT NUMBER: 5110549
                                           FILING DATE: 02/28/1991
                                           ISSUE DATE: 05/05/1992 L
SERIAL NUMBER: 07795170 b-1652CPDV
                                           FILING DATE: 11/19/1991
ISSUE DATE: 12/01/1992
SERIAL NUMBER: 06948284
                                           FILING DATE: 12/31/1986
                         Be-1745
PATENT NUMBER: D302299
                                           ISSUE DATE: 07/18/1989 V
SERIAL NUMBER: 06124312
                          131-3053
                                           FILING DATE: 02/25/1980
PATENT NUMBER: 4490254
                                           ISSUE DATE: 12/25/1984 V
SERIAL NUMBER: 06282283
                        be= 3059
                                           FILING DATE: 07/10/1981
PATENT NUMBER: 4440723
                                           ISSUE DATE: 04/03/1984 L/
SERIAL NUMBER: 06236941 &-3062
                                           FILING DATE: 02/27/1981
                                          ISSUE DATE: 05/08/1984
SERIAL NUMBER: 06288118 (A2-3063
                                           FILING DATE: 07/29/1981
PATENT NUMBER: 4428934
                                          ISSUE DATE: 01/31/1984 [/
SERIAL NUMBER: 06860710 Be-3368
                                          FILING DATE: 05/05/1986
                                          ISSUE DATE: 08/04/1987
PATENT NUMBER: 4684508
SERIAL NUMBER: 06410039
                                          FILING DATE: 08/20/1982
                          Be-3400
PATENT NUMBER: 4444498
                                          ISSUE DATE: 04/24/1984 (
```

```
SERIAL NUMBER: 06683252
                                         FILING DATE: 12/18/1984
                          Re - 3508
 PATENT NUMBER: 4731260
                                         ISSUE DATE: 03/15/1988 4
 SERIAL NUMBER: 06746355
                                         FILING DATE: 06/19/1985
PATENT NUMBER: 4640819
                                         ISSUE DATE: 02/03/1987
SERIAL NUMBER: 06736767
                                         FILING DATE: 05/22/1985
PATENT NUMBER: 4635467
                          Br-3569
                                         ISSUE DATE: 01/13/1987 V
SERIAL NUMBER: 07056135
                                         FILING DATE: 05/29/1987
                         Re-3592CIP
PATENT NUMBER: 4902476
                                         ISSUE DATE: 02/20/1990 U
SERIAL NUMBER: 06743693
                                         FILING DATE: 06/11/1985
PATENT NUMBER: 4734269
                                         ISSUE DATE: 03/29/1988
SERIAL NUMBER: 07177306
                                         FILING DATE: 04/05/1988
                         Be-3709
PATENT NUMBER: 4911549
                                         ISSUE DATE: 03/27/1990 V
                                        FILING DATE: 11/21/1990
SERIAL NUMBER: 07617922
                        Be-3715 CON
PATENT NUMBER: 5120502
                                         ISSUE DATE: 06/09/1992
SERIAL NUMBER: 07260164
                                         FILING DATE: 10/20/1988
                        Be-3748
PATENT NUMBER: 5120501
                                         ISSUE DATE: 06/09/1992 U
SERIAL NUMBER: 08024998
                        B-3748 CNDV
                                        FILING DATE: 03/02/1993
PATENT NUMBER: 5338512
                                        ISSUE DATE: 08/16/1994 ∨
SERIAL NUMBER: 07971717
                        N-3748 CPCN
                                        FILING DATE: 11/04/1992
PATENT NUMBER: 5236665
                                        ISSUE DATE: 08/17/1993 U
SERIAL NUMBER: 07848897
                        PE-3748 CON
                                        FILING DATE: 03/10/1992
PATENT NUMBER: 5225161
                                        ISSUE DATE: 07/06/1993
SERIAL NUMBER: 07945998
                            3788 DVCN
                                        FILING DATE: 09/15/1992
PATENT NUMBER: 5316724
                                        ISSUE DATE: 05/31/1994 V
SERIAL NUMBER: 07359178
                                        FILING DATE: 05/31/1989
                        BL-3844
PATENT NUMBER: 5049146
                                        ISSUE DATE: 09/17/1991 U
                                        FILING DATE: 06/22/1989,
SERIAL NUMBER: 07369806
                        BX-3849
PATENT NUMBER: 4954055
                                        ISSUE DATE: 09/04/1990
SERIAL NUMBER: 07428270
                                        FILING DATE: 10/26/1989
                        BL-3912
PATENT NUMBER: 5217689
                                        ISSUE DATE: 06/08/1993 t/
SERIAL NUMBER: 07554759
                                        FILING DATE: 07/16/1990
                        BR-4022
PATENT NUMBER: 5061236
                                        ISSUE DATE: 10/29/1991
SERIAL NUMBER: 07906900
                                        FILING DATE: 06/29/1992,
                        B04051 CNCP
PATENT NUMBER: 5270005
                                        ISSUE DATE: 12/14/1993
SERIAL NUMBER: 07609301
                                        FILING DATE: 11/01/1990
                       Be 4062
PATENT NUMBER: 5186713
                                        ISSUE DATE: 02/16/1993 4
```

SERIAL NUMBER: 08331292



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Main Cot do ATE 2028/28/1994 SSUE DATE: 07/30/1996

& 4143 CON PATENT NUMBER: 5541167 SERIAL NUMBER: 08154654

B 4176 CIP PATENT NUMBER: 5417969

SERIAL NUMBER: 07958667 10 4341 PATENT NUMBER: 5266265

SERIAL NUMBER: 08094834 Bl - 4393 PATENT NUMBER: 5401255

SERIAL NUMBER: 08083405 Bl - 4474 PATENT NUMBER: 5368438

Be-4474COM SERIAL NUMBER: 08336964 PATENT NUMBER: 5501574

BK-5042

Ar-5123

BO -5167

SERIAL NUMBER: 09029646 Be-4912 PATENT NUMBER: 6004511

SERIAL NUMBER: 08551256 PATENT NUMBER: 5770149

SERIAL NUMBER: 08697814

PATENT NUMBER: 5800721 SERIAL NUMBER: 08569098

PATENT NUMBER: 5746575

SERIAL NUMBER: 08963591 Be-5123 CM PATENT NUMBER: 5863179

SERIAL NUMBER: 08938058 PATENT NUMBER: 6017493

SERIAL NUMBER: 08989316 PATENT NUMBER: 5989438

SERIAL NUMBER: 06103401 PATENT NUMBER: 4388927 (NG 25 98

SERIAL NUMBER: 06195103 PATENT NUMBER: 4311573 (VG -264)

SERIAL NUMBER: 06577300 CVG-2667 PATENT NUMBER: 4595632

SERIAL NUMBER: 06427782 PATENT NUMBER: 4557266 (VG -3272

SERIAL NUMBER: 06580119 CVG 3375

FILING DATE: 11/18/1993 ISSUE DATE: 05/23/1995

FILING DATE: 10/08/1992 ISSUE DATE: 11/30/1993 |

FILING DATE: 07/20/1993 ISSUE DATE: 03/28/1995 \ FILING DATE: 06/28/1993

ISSUE DATE: 11/29/1994 FILING DATE: 11/10/1994

ISSUE DATE: 03/26/1996 A FILING DATE: 06/17/1998 ISSUE DATE: 12/21/1999 V

FILING DATE: 10/31/1995 ISSUE DATE: 06/23/1998 L

FILING DATE: 08/30/1996 ISSUE DATE: 09/01/1998 V

FILING DATE: 12/22/1995 ISSUE DATE: 05/05/1998 \ FILING DATE: 11/03/1997

ISSUE DATE: 01/26/1999 FILING DATE: 09/26/1997 ISSUE DATE: 01/25/2000 V

FILING DATE: 12/12/1997 ISSUE DATE: 11/23/1999

FILING DATE: 12/13/1979 ISSUE DATE: 06/21/1983

FILING DATE: 10/08/1980 ISSUE DATE: 01/19/1982

FILING DATE: 02/06/1984 ISSUE DATE: 06/17/1986

FILING DATE: 09/29/1982 ISSUE DATE: 12/10/1985

FILING DATE: 02/14/1984 ISSUE DATE: 05/20/1986 U

```
SERIAL NUMBER: 07794544
                                         FILING DATE: 11/19/1991
ISSUE DATE: 09/14/1993
                          CVG- 4167
 PATENT NUMBER: 5244913
 SERIAL NUMBER: 06723912
                                         FILING DATE: 04/16/1985
                         F.CC 3556
 PATENT NUMBER: 4670009
                                         ISSUE DATE: 06/02/1987 //
 SERIAL NUMBER: 06782032
                                         FILING DATE: 09/30/1985
                         ECC 1606
 PATENT NUMBER: 4648868
                                         ISSUE DATE: 03/10/1987
 SERIAL NUMBER: 07060666 ECC 14/8CON
                                         FILING DATE: 06/10/1987
                                         ISSUE DATE: 03/01/1988
SERIAL NUMBER: 06868313
                                         FILING DATE: 05/28/1986
PATENT NUMBER: 4664126 FCL 1419 (193
                                         ISSUE DATE: 05/12/1987
SERIAL NUMBER: 06866772
                                         FILING DATE: 05/23/1986
PATENT NUMBER: 4858618
                         ECC 1633
                                         ISSUE DATE: 08/22/1989 V
SERIAL NUMBER: 06942356
                                         FILING DATE: 12/16/1986
PATENT NUMBER: 4823167
                        ECC1698
                                         ISSUE DATE: 04/18/1989 |
SERIAL NUMBER: 07000529
                                         FILING DATE: 01/05/1987
                         ECC 1747
PATENT NUMBER: 4712865
                                         ISSUE DATE: 12/15/1987 V
SERIAL NUMBER: 07000537
                                         FILING DATE: 01/05/1987
                         ECC 1748
PATENT NUMBER: 4714770
                                         ISSUE DATE: 12/22/1987 V
SERIAL NUMBER: 06245580
                                         FILING DATE: 03/20/1981
PATENT NUMBER: 4381591
                        ECL 2242
                                         ISSUE DATE: 05/03/1983 V
SERIAL NUMBER: 06160750
                                         FILING DATE: 06/18/1980
                        5-CL 2564
PATENT NUMBER: 4328806
                                         ISSUE DATE: 05/11/1982 V
SERIAL NUMBER: 06160600
                                        FILING DATE: 06/18/1980
                        EU. 2545
PATENT NUMBER: 4329993
                                        ISSUE DATE: 05/18/1982
SERIAL NUMBER: 06160749
                                        FILING DATE: 06/18/1980
                        ECL 2624
PATENT NUMBER: 4329994
                                        ISSUE DATE: 05/18/1982 \/
SERIAL NUMBER: 06128181
                                        FILING DATE: 03/07/1980
                        FCC 2670
PATENT NUMBER: 4369496
                                        ISSUE DATE: 01/18/1983 V
SERIAL NUMBER: 06301146
                        ECC 3036
                                        FILING DATE: 09/11/1981
PATENT NUMBER: 4407304
                                        ISSUE DATE: 10/04/1983 ~
SERIAL NUMBER: 06327111 & CC 3 060
                                        FILING DATE: 12/03/1981
PATENT NUMBER: 4456223
                                        ISSUE DATE: 06/26/1984 \
SERIAL NUMBER: 06844213
                                        FILING DATE: 03/18/1986
PATENT NUMBER: 4759378 ECL 3150 CON
                                        ISSUE DATE: 07/26/1988
SERIAL NUMBER: 06437247
                                        FILING DATE: 11/26/1982
PATENT NUMBER: 4464179 FCC 3151
                                        ISSUE DATE: 08/07/1984 \
```

```
SERIAL NUMBER: 06499936
                                          FILING DATE: 06/01/1983
                         FCC 3202
 PATENT NUMBER: D285248
                                          ISSUE DATE: 08/19/1986 \
 SERIAL NUMBER: 06489900
                                          FILING DATE: 04/29/1983
                          FCC 3246
 PATENT NUMBER: 4539998
                                          ISSUE DATE: 09/10/1985
 SERIAL NUMBER: 06499938
                                          FILING DATE: 06/01/1983
 PATENT NUMBER: 4508123
                                          ISSUE DATE: 04/02/1985
SERIAL NUMBER: 06551661 ECC 3248
                                         FILING DATE: 11/14/1983
ISSUE DATE: 05/07/1985
PATENT NUMBER: 4515278
SERIAL NUMBER: 06546492
                                         FILING DATE: 10/28/1983
PATENT NUMBER: 4647149 ECC 3347
                                         ISSUE DATE: 03/03/1987 \
SERIAL NUMBER: 07323054
                                         FILING DATE: 03/14/1989
PATENT NUMBER: 5007704 ECC 3348CON
                                         ISSUE DATE: 04/16/1991 V
SERIAL NUMBER: 06570619
                                         FILING DATE: 01/13/1984
ISSUE DATE: 01/10/1989
PATENT NUMBER: 4796640
                         ECC 3359
SERIAL NUMBER: 06570632
                                         FILING DATE: 01/13/1984
PATENT NUMBER: 4595012 ECC 3360
                                         ISSUE DATE: 06/17/1986 \
SERIAL NUMBER: 06570631
                                         FILING DATE: 01/13/1984
PATENT NUMBER: 4632125 ECC 3361
                                         ISSUE DATE: 12/30/1986
SERIAL NUMBER: 06858448
                                         FILING DATE: 05/01/1986
PATENT NUMBER: 4745928
                        ECC 3361 A
                                         ISSUE DATE: 05/24/1988 \
SERIAL NUMBER: 06658111
                                         FILING DATE: 10/05/1984
                         ECC 3461
PATENT NUMBER: 4651751
                                         ISSUE DATE: 03/24/1987 V
SERIAL NUMBER: 06945381
                                         FILING DATE: 12/22/1986
                        ECC3421CON
PATENT NUMBER: 5193547
                                         ISSUE DATE: 03/16/1993 V
SERIAL NUMBER: 06651283
                                         FILING DATE: 09/17/1984
                        ECC 3474
PATENT NUMBER: 4589287
                                         ISSUE DATE: 05/20/1986 L
SERIAL NUMBER: 06659702
                                         FILING DATE: 10/11/1984
PATENT NUMBER: 4713059
                                         ISSUE DATE: 12/15/1987
SERIAL NUMBER: 07099097
                                         FILING DATE: 09/21/1987
PATENT NUMBER: 4850974 ECC 3477 DIV
                                         ISSUE DATE: 07/25/1989 \
                                         FILING DATE: 12/27/1984
SERIAL NUMBER: 06686989
PATENT NUMBER: 4643389 ECC 3482
                                         ISSUE DATE: 02/17/1987
SERIAL NUMBER: 06622079
                                         FILING DATE: 06/19/1984
                        ECC 3534
PATENT NUMBER: 4564020
                                         ISSUE DATE: 01/14/1986
SERIAL NUMBER: 06670213
                                         FILING DATE: 11/13/1984
PATENT NUMBER: 4587974 ECC 3535
                                         ISSUE DATE: 05/13/1986
```

```
SERIAL NUMBER: 06739546
                                        FILING DATE: 05/30/1985
                         ECC 3574
 PATENT NUMBER: 4651741
                                        ISSUE DATE: 03/24/1987 (
 SERIAL NUMBER: 06781411
                                        FILING DATE: 09/27/1985
                        ECC 3583
 PATENT NUMBER: 4711522
                                        ISSUE DATE: 12/08/1987 V
SERIAL NUMBER: 07270320
                                        FILING DATE: 11/14/1988
                         ECC 3620
PATENT NUMBER: 4858821
                                        ISSUE DATE: 08/22/1989 1/
SERIAL NUMBER: 07335927
                                        FILING DATE: 04/10/1989
PATENT NUMBER: 5135489 ECC 3698 C1P3
                                        ISSUE DATE: 08/04/1992
SERIAL NUMBER: 07257017
                                        FILING DATE: 10/13/1988
                        ECC 3780
PATENT NUMBER: 4960708
                                        ISSUE DATE: 10/02/1990 V
SERIAL NUMBER: 07304743
                                        FILING DATE: 01/31/1989
PATENT NUMBER: 4970900
                        ECC 3806
                                        ISSUE DATE: 11/20/1990 1/
SERIAL NUMBER: 07316613
                                        FILING DATE: 02/28/1989
PATENT NUMBER: 4962757 ECC 3817
                                        ISSUE DATE: 10/16/1990 t/
SERIAL NUMBER: 07351678
                                        FILING DATE: 05/12/1989
PATENT NUMBER: 4981355 & CC 3837
                                        ISSUE DATE: 01/01/1991 V
SERIAL NUMBER: 07380052 FCC 3862
                                        FILING DATE: 07/14/1989
                                        ISSUE DATE: 07/09/1991 V
SERIAL NUMBER: 07485349
                                       FILING DATE: 02/26/1990
PATENT NUMBER: 5325865 ECC 3953
                                       ISSUE DATE: 07/05/1994 t
SERIAL NUMBER: 07826280
                       €CC 4048CON FILING DATE: 01/17/1992
PATENT NUMBER: 5149326
                                       ISSUE DATE: 09/22/1992 //
SERIAL NUMBER: 07678911
                                       FILING DATE: 04/01/1991
PATENT NUMBER: 5271410 ECC 4124
                                       ISSUE DATE: 12/21/1993 V
SERIAL NUMBER: 07752399
                                       FILING DATE: 08/30/1991
PATENT NUMBER: 5230342
                       ECC 4173
                                       ISSUE DATE: 07/27/1993 V
SERIAL NUMBER: 07790724
                                       FILING DATE: 11/08/1991,
                       ECC4194
PATENT NUMBER: 5246016
                                       ISSUE DATE: 09/21/1993
                                       FILING DATE: 06/22/1993
SERIAL NUMBER: 08080884
                        FCC 4194 CDV ISSUE DATE: 11/15/1994
PATENT NUMBER: 5363853
SERIAL NUMBER: 08137381
                                       FILING DATE: 10/13/1993
PATENT NUMBER: 5351693 ECC 4194 CPC
                                       ISSUE DATE: 10/04/1994 V
SERIAL NUMBER: 08083105
                                       FILING DATE: 06/24/1993
PATENT NUMBER: 5437637 ECC 4194 DIV
                                       ISSUE DATE: 08/01/1995
SERIAL NUMBER: 08675365
                                       FILING DATE: 07/02/1996
PATENT NUMBER: 5662620 ECC 4194 DVC
                                       ISSUE DATE: 09/02/1997
```

```
PATENT NUMBER: 5833645 ECC 4(94 DVC * FILING DATE: 05/02/1997
 SERIAL NUMBER: 07823092 ECC 4207
                                            FILING DATE: 01/21/1992
                                            ISSUE DATE: 05/04/1993
 SERIAL NUMBER: 08341327 ECC 4207 DVC PATENT NUMBER: 5443074
                                            FILING DATE: 11/16/1994
                                            ISSUE DATE: 08/22/1995 L
 SERIAL NUMBER: 07832253 ECC 4233
                                            FILING DATE: 02/07/1992
                                            ISSUE DATE: 05/19/1998 V
PATENT NUMBER: 5387199 ECC 4241 CON FILING DATE: 03/02/1994
                                            ISSUE DATE: 02/07/1995 U
SERIAL NUMBER: 07510897
                                            FILING DATE: 04/18/1990
PATENT NUMBER: 5146414
                           ECC 4323
                                            ISSUE DATE: 09/08/1992 V
SERIAL NUMBER: 08473738
                                            FILING DATE: 06/07/1995
ISSUE DATE: 12/31/1996
PATENT NUMBER: 5588438 FCC 4324 CCD
SERIAL NUMBER: 08245727
                                            FILING DATE: 05/18/1994
PATENT NUMBER: 5720293 ECC 4324 CCP
                                            ISSUE DATE: 02/24/1998 V
SERIAL NUMBER: 08485124
                          ECC 4324 CDV FILING DATE: 06/07/1995 TISSUE DATE: 09/15/1998
PATENT NUMBER: 5807269
SERIAL NUMBER: 08485125 FLL 4324 CDV & FILING DATE: 06/07/1995 PATENT NUMBER: 5857976 FLL 4324 CDV & ISSUE DATE: 01/12/1999 V
SERIAL NUMBER: 08334443
                                     CPCNFILING DATE: 11/04/1994
ISSUE DATE: 09/10/1996
PATENT NUMBER: 5553622 ELC 4324
SERIAL NUMBER: 08603552
                                      PC FILING DATE: 02/21/1996
ISSUE DATE: 05/26/1998
PATENT NUMBER: 5755670 FCC 4324
SERIAL NUMBER: 07832410
                                           ·FILING DATE: 02/07/1992
                          FCC 4326
PATENT NUMBER: 5305760
                                           'ISSUE DATE: 04/26/1994
SERIAL NUMBER: 08071838
                                           FILING DATE: 06/04/1993
                           FCL 4356
PATENT NUMBER: 5357967
                                           ISSUE DATE: 10/25/1994
SERIAL NUMBER: 08025002
                                           FILING DATE: 03/02/1993
                           FTE 4402
PATENT NUMBER: 5354272
                                            SSUE DATE: 10/11/1994 V
SERIAL NUMBER: 08200619
                                           FILING DATE: 02/23/1994
                           ECC 4587
PATENT NUMBER: 5564951
                                           ISSUE DATE: 10/15/1996 //
SERIAL NUMBER: 08268217
                                           FILING DATE: 06/29/1994
                          FCC 4627
PATENT NUMBER: 5636638
                                           ISSUE DATE: 06/10/1997
                         ECC 4 CIPDIVFILING DATE: 11/08/1996
SERIAL NUMBER: 08747099
                                           ISSUE DATE: 12/30/1997
PATENT NUMBER: 5701908
                               4642
```

```
SERIAL NUMBER: 08732006 ECC 4642 DIV A
                                          FILING DATE: 10/16/1996
                                          ISSUE DATE: 08/25/1998
 SERIAL NUMBER: 09041356
                         ECC 4642 DIV *
                                          FILING DATE: 03/12/1998
 PATENT NUMBER: 5886576
                                          ISSUE DATE: 03/23/1999\
 SERIAL NUMBER: 08422369
                                          FILING DATE: 04/14/1995
 PATENT NUMBER: 5634470 ECC 4642-CIP
                                          ISSUE DATE: 06/03/1997 V
 SERIAL NUMBER: 08311477
                                          FILING DATE: 09/23/1994
                         ECC 4683
 PATENT NUMBER: 6036654
                                          ISSUE DATE: 03/14/2000 V
 SERIAL NUMBER: 08470851
                                          FILING DATE: 06/06/1995
                         FCC 4762
PATENT NUMBER: 5590778
                                          ISSUE DATE: 01/07/1997 ✓
SERIAL NUMBER: 08519371
                                          FILING DATE: 08/25/1995
                         ECC 4896
PATENT NUMBER: 5691446
                                          ISSUE DATE: 11/25/1997 \
SERIAL NUMBER: 08689975
                                         FILING DATE: 08/16/1996
PATENT NUMBER: 5741885 ECC 4896CIP
                                         ISSUE DATE: 04/21/1998 V
SERIAL NUMBER: 08548937
                                         FILING DATE: 10/26/1995/
                         FCC 4939
PATENT NUMBER: 5687733
                                         ISSUE DATE: 11/18/1997~
SERIAL NUMBER: 08662748
                         ECC 4984
                                         FILING DATE: 06/10/1996
                                         ISSUE DATE: 12/01/1998 V
PATENT NUMBER: 5843002
SERIAL NUMBER: 08822890
                                         FILING DATE: 03/24/1997 
ISSUE DATE: 10/27/1998
PATENT NUMBER: 5827202 FCC 4984CIP
SERIAL NUMBER: 09071815
                                         FILING DATE: 05/01/1998
PATENT NUMBER: 5971935 ECC 5082
                                         ISSUE DATE: 10/26/1999 \/
SERIAL NUMBER: 08791079
                                         FILING DATE: 01/29/1997
                         ECC 5109
PATENT NUMBER: 5795326
                                         ISSUE DATE: 08/18/1998
SERIAL NUMBER: 09015049
PATENT NUMBER: 5968009 ECL 5109 CIP
                                         FILING DATE: 01/28/1998
                                         ISSUE DATE: 10/19/1999
SERIAL NUMBER: 08937670 FCC 5159
                                         FILING DATE: 09/26/1997
PATENT NUMBER: 5961472
                                         ISSUE DATE: 10/05/1999 V
SERIAL NUMBER: 09094390
                                         FILING DATE: 06/09/1998
                        ECC 5325
PATENT NUMBER: 6045512
                                         ISSUE DATE: 04/04/2000 V
SERIAL NUMBER: 06692976
                                         FILING DATE: 01/22/1985
                         ECC 3483
PATENT NUMBER: 4603574
                                        ISSUE DATE: 08/05/1986
SERIAL NUMBER: 06874618 ECV 1632
PATENT NUMBER: 4790843 ECV 1632
                                        FILING DATE: 06/16/1986
                                        ISSUE DATE: 12/13/1988
```

SERIAL NUMBER: 08466544 ECC 4642 DIV & FILING DATE: 06/06/1995

ISSUE DATE: 01/14/1997

010901/0274 PAGE 14 SERIAL NUMBER: 07243226

PATENT NUMBER: 4373216

PATENT NUMBER: 4451937

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS IMANGROATE: 2029/02/1988

PATENT NUMBER: 5061277 ECV 1636 CO SSUE DATE: 10/29/1991

SERIAL NUMBER: 06923083 ECV 1666 FILING DATE: 10/24/1986 PATENT NUMBER: 4725274 ISSUE DATE: 02/16/1988 \

SERIAL NUMBER: 06302693 ECV 1725CIP FILING DATE: 09/15/1981

ISSUE DATE: 02/15/1983 V SERIAL NUMBER: 06458618 FILING DATE: 01/17/1983 ECV 1726

PATENT NUMBER: 4535483 ISSUE DATE: 08/20/1985 V SERIAL NUMBER: 06346722 FILING DATE: 02/08/1982 ECV 1727

ISSUE DATE: 06/05/1984 V SERIAL NUMBER: 06728836 FILING DATE: 04/30/1985 PATENT NUMBER: 4683883 ISSUE DATE: 08/04/1987

SERIAL NUMBER: 06182869 FILING DATE: 09/17/1980 ECV 1732 PATENT NUMBER: 4326304 ISSUE DATE: 04/27/1982 V

SERIAL NUMBER: 07039295 ECV 1775 FILING DATE: 04/17/1987

PATENT NUMBER: 4838888 ISSUE DATE: 06/13/1989 SERIAL NUMBER: 06275749 ECV 2664 FILING DATE: 06/22/1981

PATENT NUMBER: 4372743 ISSUE DATE: 02/08/1983 V SERIAL NUMBER: 06293667

FILING DATE: 08/17/1981 ZV 2665 PATENT NUMBER: 4501030 ISSUE DATE: 02/26/1985 V

SERIAL NUMBER: 06295993 FILING DATE: 08/25/1981 PATENT NUMBER: 4865600 ECV 269 ISSUE DATE: 09/12/1989 /

SERIAL NUMBER: 06332544 FILING DATE: 12/21/1981 PATENT NUMBER: 4451936 ECV 2986 ISSUE DATE: 06/05/1984 (/

SERIAL NUMBER: 06445345 FILING DATE: 11/29/1982 ECV 3041 PATENT NUMBER: 4648881 ISSUE DATE: 03/10/1987 V

SERIAL NUMBER: 06377747 FILING DATE: 05/13/1982 PATENT NUMBER: 4481009 ECV 3075-* ISSUE DATE: 11/06/1984 V

SERIAL NUMBER: 06795124 FILING DATE: 11/05/1985 ISSUE DATE: 03/08/1988 PATENT NUMBER: 4729139 ECV 3075-

SERIAL NUMBER: 06795125 FILING DATE: 11/05/1985 PATENT NUMBER: 4770665 ECV 3075-ISSUE DATE: 09/13/1988

SERIAL NUMBER: 06396629 FILING DATE: 07/09/1982 PATENT NUMBER: 4443895 ECV 3112 ISSUE DATE: 04/24/1984

SERIAL NUMBER: 06670786 ECV3449 DIV FILING DATE: 11/13/1984 ISSUE DATE: 03/03/1987

```
SERIAL NUMBER: 06713204
                          ECV 3493 DIVFILING DATE: 03/18/1985
 PATENT NUMBER: 5215541
                                         ISSUE DATE: 06/01/1993
 SERIAL NUMBER: 07020202
                                         FILING DATE: 02/27/1987
 PATENT NUMBER: 4885005
                         ECV 3494 CDV
                                         ISSUE DATE: 12/05/1989\
 SERIAL NUMBER: 08376624
                                         FILING DATE: 01/23/1995
 PATENT NUMBER: 5716398 ECV 3710 CON ISSUE DATE: 02/10/1998
 SERIAL NUMBER: 08912021
                                         FILING DATE: 08/15/1997
 PATENT NUMBER: 5964800 ECV 3710 CON3 ISSUE DATE: 10/12/1999 V
 SERIAL NUMBER: 07290001
                                         FILING DATE: 12/22/1988
 PATENT NUMBER: 4917698 FCV 3789
                                         ISSUE DATE: 04/17/1990
 SERIAL NUMBER: 07339787
                                         FILING DATE: 04/18/1989
 PATENT NUMBER: 5002566 ECV 3800CIP
                                         ISSUE DATE: 03/26/1991 V
 SERIAL NUMBER: 07587486
                                         FILING DATE: 09/20/1990
 PATENT NUMBER: 5104407 ECV 3803 CON
                                         ISSUE DATE: 04/14/1992 V
 SERIAL NUMBER: 08004214
                        ECV 3860 CCP FILING DATE: 01/13/1993
 PATENT NUMBER: 5290300
                                         ISSUE DATE: 03/01/1994 V
 SERIAL NUMBER: 08474048
                                        FILING DATE: 06/07/1995
                        ECV 3860CDC
 PATENT NUMBER: 5683402
                                        ISSUE DATE: 11/04/1997
 SERIAL NUMBER: 08068279
                                        FILING DATE: 05/25/1993
 PATENT NUMBER: 5350420 CCU 3860 CON
                                        ISSUE DATE: 09/27/1994
 SERIAL NUMBER: 08190755 ECV 3860 DVC
                                        FILING DATE: 02/02/1994
                                        ISSUE DATE: 03/05/1996 \
 SERIAL NUMBER: 07444189
                                        FILING DATE: 11/30/1989
 PATENT NUMBER: 5041130 W 3860 CIP
                                        ISSUE DATE: 08/20/1991 V
 SERIAL NUMBER: 07502158
                                        FILING DATE: 03/29/1990
                        ECV 3965
 PATENT NUMBER: 5035709
                                        ISSUE DATE: 07/30/1991 V
 SERIAL NUMBER: 07579464
                                        FILING DATE: 09/07/1990
                         FCV 4032
 PATENT NUMBER: 5197979
                                        ISSUE DATE: 03/30/1993 L
 SERIAL NUMBER: 07990211
                         FCV 4032 DIV FILING DATE: 12/14/1992
- PATENT NUMBER: 5336258
                                        ISSUE DATE: 08/09/1994
 SERIAL NUMBER: 07622917
                                        FILING DATE: 12/06/1990
                         ECV 4057
PATENT NUMBER: 5274028
                                        ISSUE DATE: 12/28/1993
SERIAL NUMBER: 08049015
                         FCV 4399
                                        FILING DATE: 04/16/1993
 PATENT NUMBER: 5422261
                                        ISSUE DATE: 06/06/1995 (/
 SERIAL NUMBER: 08311383
                                        FILING DATE: 09/23/1994
                        FCV 4399 DIV
PATENT NUMBER: 5424208
                                        ISSUE DATE: 06/13/1995
```

SERIAL NUMBER: 08073272

PATENT NUMBER: 5409833 ECV 4473

PATENT NUMBER: 6020196 ECV4645 DIV

PATENT NUMBER: 5332503 SERIAL NUMBER: 08086778

SERIAL NUMBER: 09036162

```
SERIAL NUMBER: 08874180 ECV 4652CIP
                                          FILING DATE: 06/13/1997
                                          ISSUE DATE: 08/03/1999
SERIAL NUMBER: 08283059
                                          FILING DATE: 07/29/1994
PATENT NUMBER: 5593435 ECV 4676
                                          ISSUE DATE: 01/14/1997 V
SERIAL NUMBER: 08757693
PATENT NUMBER: 5888240 ECV 4676 CON ISSUE DATE: 03/30/1999
SERIAL NUMBER: 08300025
                                          FILING DATE: 09/02/1994
PATENT NUMBER: 5549666 ECV 4677
                                          ISSUE DATE: 08/27/1996V
SERIAL NUMBER: 08948365 ECV 4677 DIVCON FILING DATE: 10/09/1997
PATENT NUMBER: 5769780
                                          ISSUE DATE: 06/23/1998V
SERIAL NUMBER: 08362633
                                          FILING DATE: 12/22/1994
PATENT NUMBER: 5554186 ECV 4709
                                          ISSUE DATE: 09/10/1996 ∨
SERIAL NUMBER: 08386048
                                          FILING DATE: 02/09/1995
ISSUE DATE: 09/08/1998
                         ECV 4740
PATENT NUMBER: 5804366
SERIAL NUMBER: 08821478
                                          FILING DATE: 03/21/1997
                         ECV 4767 CON
PATENT NUMBER: 5861030
                                          ISSUE DATE: 01/19/1999V
                         ECV 49 5 CIP
SERIAL NUMBER: 08914558
                                          FILING DATE: 08/19/1997
PATENT NUMBER: 5880242
                                          ISSUE DATE: 03/09/1999 V
SERIAL NUMBER: 08545439 ECV 4930 PATENT NUMBER: 5670358
                                          FILING DATE: 10/19/1995
                                         ISSUE DATE: 09/23/1997
SERIAL NUMBER: 08998318 ECV 4935
                                         FILING DATE: 12/24/1997
                                         ISSUE DATE: 12/14/1999
PATENT NUMBER - 6001126
SERIAL NUMBER: 08960083 ECV 4953 CON FILING DATE: 10/24/1997
PATENT NUMBER: 5814096
                                         ISSUE DATE: 09/29/1998 √
                                         FILING DATE: 09/30/1996
SERIAL NUMBER: 08723420 FCV 4955
PATENT NUMBER: 5800531 FCV 4955
                                         ISSUE DATE: 09/01/1998
SERIAL NUMBER: 08688672
                                         FILING DATE: 07/29/1996
PATENT NUMBER: 5755783 ECV 5011
                                         ISSUE DATE: 05/26/1998
```

ECV 4446

SERIAL NUMBER: 08647155 FCV 4645 CON FILING DATE: 05/09/1996 PATENT NUMBER: 5744360 FCV 4645 CON ISSUE DATE: 04/28/1998

FILING DATE: 04/16/1993 /

ISSUE DATE: 07/26/1994

FILING DATE: 07/01/1993

FILING DATE: 03/06/1998

ISSUE DATE: 02/01/2000 V

ISSUE DATE: 04/25/1995

```
SERIAL NUMBER: 08694580
                           FCV 5027
                                         FILING DATE: 08/09/1996
 PATENT NUMBER: 5814100
                                         ISSUE DATE: 09/29/1998 V
 SERIAL NUMBER: 09121474
                          ECV 5027CON FILING DATE: 07/23/1998
 PATENT NUMBER: 6039759
                                         ISSUE DATE: 03/21/2000 V
 SERIAL NUMBER: 08997766
                                         FILING DATE: 12/24/1997
                         ECV 5044
 PATENT NUMBER: 6027530
                                         ISSUE DATE: 02/22/2000
 SERIAL NUMBER: 08688352
                          ECV SUIS
                                         FILING DATE: 07/30/1996
 PATENT NUMBER: 5782931
                                         ISSUE DATE: 07/21/1998 V
 SERIAL NUMBER: 09044667
                         ECV 5045 DIV
                                         FILING DATE: 03/20/1998
 PATENT NUMBER: 5935168
                                         ISSUE DATE: 08/10/1999
 SERIAL NUMBER: 08826408
                                         FILING DATE: 03/27/1997
                         ECV 5060
PATENT NUMBER: 5928281
                                         ISSUE DATE: 07/27/1999
SERIAL NUMBER: 08833176 ECV 5115
PATENT NUMBER: 5961549 ECV 5115
                                         FILING DATE: 04/03/1997
ISSUE DATE: 10/05/1999
                                         FILING DATE: 04/16/1997
SERIAL NUMBER: 08843504
                        ECV 5119
PATENT NUMBER: 5891196
                                         ISSUE DATE: 04/06/1999
SERIAL NUMBER: 08982846
                                         FILING DATE: 12/02/1997
PATENT NUMBER: 6008292 ECV 5139
                                         ISSUE DATE: 12/28/1999 V
SERIAL NUMBER: 08932818
                        ECV 5155
                                         FILING DATE: 09/16/1997
PATENT NUMBER: 6045576
                                         ISSUE DATE: 04/04/2000
SERIAL NUMBER: 08941994
                                         FILING DATE: 10/01/1997
PATENT NUMBER: 5902937 ECV 5157
                                         ISSUE DATE: 05/11/1999
SERIAL NUMBER: 09099732
PATENT NUMBER: 6019739 ECV 5282
                                         FILING DATE: 06/18/1998
                                         ISSUE DATE: 02/01/2000
                        ECV 5283CIP FILING DATE: 02/27/1998
SERIAL NUMBER: 09031789
PATENT NUMBER: 6004329
                                        ISSUE DATE: 12/21/1999
SERIAL NUMBER: 06211210
                                        FILING DATE: 11/28/1980
                        NC 3884
PATENT NUMBER: 4384829
                                        ISSUE DATE: 05/24/1983
SERIAL NUMBER: 06446453
                        NC 3884CIP
                                        FILING DATE: 12/03/1982
PATENT NUMBER: 4457673
                                        ISSUE DATE: 07/03/1984
SERIAL NUMBER: 06400027
                                        FILING DATE: 07/20/1982
                        NC 3885
PATENT NUMBER: 4519043
                                        ISSUE DATE: 05/21/1985
SERIAL NUMBER: 06446452 NC 3886
                                        FILING DATE: 12/03/1982
PATENT NUMBER: 4488099
                                        ISSUE DATE: 12/11/1984
PATENT NUMBER: 4557673 NC 3887 CON FILING DATE: 10/17/1984
                                        ISSUE DATE: 12/10/1985 V
```

```
SERIAL NUMBER: 06680731
                          NC 3888 CON FILING DATE: 12/11/1984
 PATENT NUMBER: 4565497
                                          ISSUE DATE: 01/21/1986 V
 SERIAL NUMBER: 06555031
                                          FILING DATE: 11/23/1983
                          NC 3889 CIP
 PATENT NUMBER: 4581018
                                          ISSUE DATE: 04/08/1986
 SERIAL NUMBER: 06665011 NC 3890CIP
                                          FILING DATE: 10/30/1984
ISSUE DATE: 11/12/1985
 SERIAL NUMBER: 06757786
                                          FILING DATE: 07/22/1985
                          MC 3891
 PATENT NUMBER: 4665896
                                          ISSUE DATE: 05/19/1987
 SERIAL NUMBER: 06853464
                                          FILING DATE: 04/18/1986
                          NC 3892
 PATENT NUMBER: 4666443
                                          ISSUE DATE: 05/19/1987
 SERIAL NUMBER: 06933490
                                         FILING DATE: 11/20/1986
                          NC 3893
 PATENT NUMBER: 4756302
                                         ISSUE DATE: 07/12/1988
SERIAL NUMBER: 07589092
                                         FILING DATE: 09/27/1990
                         NC 3901
PATENT NUMBER: 5153496
                                         ISSUE DATE: 10/06/19921/
SERIAL NUMBER: 07503837
                                         FILING DATE: 04/03/1990
                         NC 3982
PATENT NUMBER: 5012176
                                         ISSUE DATE: 04/30/1991 \
SERIAL NUMBER: 08471438
                                         FILING DATE: 06/06/1995
                        NC. 4582DIV
PATENT NUMBER: 5810708
                                         ISSUE DATE: 09/22/1998 €
SERIAL NUMBER: 08468088
                                         FILING DATE: 06/06/1995
                         NC 4587CIP
PATENT NUMBER: 5803770
                                         ISSUE DATE: 09/08/1998 V
SERIAL NUMBER: 08194481
                                         FILING DATE: 02/10/1994
                         NC 4589
PATENT NUMBER: 5511958
                                         ISSUE DATE: 04/30/1996 V
SERIAL NUMBER: 08473220
                         NC 4589 CON FILING DATE: 06/07/1995
ISSUE DATE: 02/04/1997
PATENT NUMBER: 5599173
SERIAL NUMBER: 09191506
                          NC 5399
                                         FILING DATE: 11/13/1998
PATENT NUMBER: 6001056
                                         ISSUE DATE: 12/14/1999 U
SERIAL NUMBER: 07266745
                                         FILING DATE: 11/03/1988
                         VAS 1718 CIP
PATENT NUMBER: 5071609
                                         ISSUE DATE: 12/10/1991 V
                                         FILING DATE: 04/28/1987
SERIAL NUMBER: 07043326
                         VAS 1773
PATENT NUMBER: 4816339
                                         ISSUE DATE: 03/28/1989
SERIAL NUMBER: 07286440
                        VAS 1773CIP
                                         FILING DATE: 12/19/1988
                                        ISSUE DATE: 10/29/1991
PATENT NUMBER: 5061276
SERIAL NUMBER: 06241291
                                         FILING DATE: 03/06/1981
                        VAS 210108
PATENT NUMBER: 4430083
                                        ISSUE DATE: 02/07/1984
SERIAL NUMBER: 07119167
                                        FILING DATE: 11/10/1987
PATENT NUMBER: 4791926
                                        ISSUE DATE: 12/20/1988
                        VAS 3686
```

SERIA: PATEN	L NUMBER I NUMBER	: 07132150 : 4791913	VAS 3696	FILING DATE: 12/14/1987 ISSUE DATE: 12/20/1988
SERIA: PATEN	L NUMBER F NUMBER	: 07143738 : 4820283	VAB 3697	FILING DATE: 01/13/1988 ISSUE DATE: 04/11/1989
SERIAI PATENT	L NUMBER:	07175937 4844071	VAS 3722	FILING DATE: 03/31/1988/ ISSUE DATE: 07/04/1989
SERIAI PATENT	NUMBER:	07246578 5024671	VAS 3743	FILING DATE: 09/19/1988 ISSUE DATE: 06/18/1991
	NUMBER:		VAS 3794	FILING DATE: 01/26/1989 ISSUE DATE: 11/21/1989
	NUMBER:		VAS 3859	FILING DATE: 07/18/1989 ISSUE DATE: 02/05/1991
	NUMBER: NUMBER:		VAS 4096 CON	FILING DATE: 06/09/1993 ISSUE DATE: 12/27/1994
	NUMBER: NUMBER:	08370705 5669881	VAS 4699	FILING DATE: 01/10/1995 ISSUE DATE: 09/23/1997
	NUMBER: NUMBER:	08762113 5976192	VAS 4737 CON	FILING DATE: 12/10/1996 ISSUE DATE: 11/02/1999
	NUMBER: NUMBER:		VAS 4761	FILING DATE: 04/17/1995 ISSUE DATE: 06/24/1997
	NUMBER: NUMBER:	08844482 5843173	VAS 4761 DIV	FILING DATE: 04/18/1997 ISSUE DATE: 12/01/1998
	NUMBER: NUMBER:	08486038 5707389	VAS 4778	FILING DATE: 06/07/1995 ISSUE DATE: 01/13/1998
	NUMBER: NUMBER:	08910944 5947994	VAS 4778 CON	FILING DATE: 08/08/1997 ISSUE DATE: 09/07/1999
	NUMBER: NUMBER:	08485616 5658302	VAS 4911	FILING DATE: 06/07/1995 ISSUE DATE: 08/19/1997
	NUMBER: NUMBER:	08833155 5868768	VAS 4911 CON	FILING DATE: 04/04/1997 / ISSUE DATE: 02/09/1999
	NUMBER: NUMBER:	08713070 5968068	VAS 5032	FILING DATE: 09/12/1996/ ISSUE DATE: 10/19/1999
	NUMBER: NUMBER:	08675644 5928279	VAS 5041	FILING DATE: 07/03/1996 ISSUE DATE: 07/27/1999
	NUMBER: NUMBER:	09135736 6013092	VAS 5192	FILING DATE: 08/18/1998 / ISSUE DATE: 01/11/2000